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WORLD'S MOST CELEBRATED CONTEST



INTERNATIONAL SCIENCE OLYMPIAD

INFO PACK 2023-24

FOR GRADE 1 TO 12

REGISTRATION OPEN 2023-24

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About The International Science Olympiad

The International Science Olympiad strives to identify raw talent among students in their earliest years. It provides students with the opportunity to compete against the best on a global scale.

The exam is designed to assess students' knowledge of the subject not just theoretically but also practically. The main aim of the exam is to test the scientific temperament of each student as they tackle problems of increasing difficulty that challenge their knowledge at every step and force them to think beyond their textbook knowledge. Each question is intended to assess each student's inherent knowledge.

Categories

- In the International Science Olympiad, students compete in 12 categories, from Grades 1 to 12.

Categories	School Level
EINSTEIN	Grade - 1 & 2
NEWTON	Grade - 3 & 4
DARWIN	Grade - 5 & 6
FARADAY	Grade - 7 & 8
EDISON	Grade - 9 & 10
FRANKLIN	Grade - 11 & 12

Exam Format

- This is a 90-minute exam. For Grades 5 to 12, there will be 30 questions worth 120 points, and for Grades 1 to 4, there will be 24 questions worth 96 points. Each question contains five MCQ-based options.
- The first-round perfect scorer will appear in the Final round of competition.
- In the final round of competition, the first-round perfect scorer will compete. Students who score higher than 95% in the final round will receive a Perfect Score Award, a Gold Medal, and \$100 in cash.
- There are three levels of increasing difficulty in each of the three categories. Based on the level of difficulty, the following points are awarded:
 - Section-A (Easy):** 3 points for each correct answer.
 - Section-B (Medium):** 4 points for each correct answer.
 - Section-C (Hard):** 5 points for each correct answer.
- Einstein -1 and Einstein -2 students will take the same test paper but will be ranked separately. Same applies for Newton -1 & 2; Darwin-1 & 2; Faraday - 1&2; Edison -1 & 2 and Franklin-1 & 2.
- 1 point will be deducted for each incorrect answer and no penalty for skipping a question.
- During the exam, pencils, pens, erasers, rulers, and other geometrical instruments are allowed.
- Instruments or gadgets like calculators, smart watches, etc. are strictly prohibited.

Syllabus

■ EINSTEIN (Grade -1 & 2):

- Living and non-living things.
- Plant kingdom.
- The world of animals.
- Human body.
- Our basic needs.
- Good habits.
- Safety rules and good manners.
- Our family and surroundings.
- Air, water, weather, and seasons.
- Rocks and minerals.
- Light and shadow.
- The sun, moon, earth, and our surroundings

■ NEWTON (Grade -3 & 4):

- Living and non-living things.
- Plant parts & life.
- Animal's life and their eating habits.
- Birds.
- The human body.
- Matters.
- Our needs.
- Our houses and clothes.
- Safety and first aid.
- Force, work and energy.
- Solids, liquids, gases, and materials.
- Light, sound, and force.
- Rocks and soil.
- Our environment and pollution.
- Materials.
- Air, water, and weather.
- The solar system.
- Measurement standard units.

■ DARWIN (Grade -5 & 6):

- Living & non-living things.
- Transportation system in plants and animals.
- The building blocks of life.
- Food and health.
- Bones and muscles.

- Nervous system.
- Human excretory and blood circulatory system.
- Rocks and minerals.
- Soil.
- The earth, the moon and the sun.
- Our environment, natural disasters and pollution.
- Energy, electricity, magnet and simple machine.
- Our environment.
- Heredity and reproduction.
- Sorting and separation of materials into groups.
- Fibre to fabric.
- Fun with magnets.
- Light, shadow and reflection.
- Garbage in, garbage out.

■ FARADAY (Grade -7 & 8):

- Nutrition in plants and animals.
- Respiration in organisms.
- Transportation in plants and animals.
- Reproduction in plants.
- Acids, bases and salts.
- Changes around us.
- Weather, climate & adaptation of animals to climate.
- Winds, storms and cyclones.
- Natural resources and their conservation.
- Motion and time.
- Electric current and its effects.
- Crop production and management.
- Micro organisms-friend and foe.
- Synthetic fibres and plastics.
- Coal and petroleum.
- Heat, Combustion and flame.
- Adolescence and reproductive health.
- Reproduction in animals.
- Metal and non-metal.
- Force, pressure and friction.
- Sound.
- Chemical effects of electric current.
- Light and our universe.



Syllabus

■ EDISON (Grade -9 & 10):

- Nature of matter and behavior.
- Cell, tissues, organ and organ system.
- Biological diversity, health and diseases.
- Motion and force.
- Work, power and energy.
- Gravitation.
- Sound and sound energy.
- Physical resources.
- Bio-geochemical cycles in nature.
- Food & food production.
- Chemical reactions.
- Acids, bases, and salts.
- Metals and non-metals.
- Carbon compounds.
- Periodic classification of elements.
- Life processes.

- Control and coordination in animals and plants.
- Reproduction.
- Heredity and evolution.
- Light and light energy.
- Effects of the current.
- The magnetic effects of current.
- Sources of energy.
- Our environment.
- Management of natural resources.

■ FRANKLIN (Grade -11 & 12):

- Questions for the Grade 11 & 12 contest will be drawn from common topics in the CBSE, ISC, and IB curriculum.

Awards

- Gold medals will be awarded to the top 5% of competitors; silver medals will be awarded to the next top 10% of competitors, and bronze medals will be awarded to the next top 10% of competitors. All medalists will be presented with merit certificates. Others will receive a participation or appreciation certificate.
- Only an e-certificate will be given for appreciation and participation.
- In the final round of competition, the first-round perfect scorer will compete. Students who score higher than 95% in the final round will receive a Perfect Score Award, a Gold Medal, and \$100 in cash.

Exam Schedule

■ **Contest :** International Science Olympiad

■ **Subject:** Science

■ **Contest Start Date :** May, 2024*

■ **Contest End Date :** May, 2024*

■ **Last Date for Registration :** April, 2024*

■ **Eligible for Grades :** 1 to 12

- **Note:** - *Final dates would be announced shortly.

Exam Fees

- Registration Fee (through Institution/School) per student : ₹500 + GST/-

Registration Process

Student Registration:

For new individual registration on the IOA website, students must follow the steps mentioned below:

Online student registration: In this case the process of registration would be done by the Parent directly using the link & code shared by the school coordinator with the parents. Offline Student registration The parents /Students would fill in the order form with their details & choices and would submit the form & make the payment to the school coordinator.

School Registration:

Schools interested in participating in the Mathematical Kangaroo Competition can apply through both offline and online modes.

- To register online, visit <https://www.internationalolympiadacademy.com/school-registration.php> and complete the registration form. IOA will get in touch with the school/institution to discuss regarding the registration process for the International Olympiad.
- On completion of the registration process, school will receive a confirmation email with School code and a link, both would then be shared with parents to facilitate student registration.

Preparatory Material

- Work books
- 5 Year Question Papers
- Online Mock Test Series
- Online Coaching Programs



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